

10771553_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10814207 on May 27, 2004

Original Classifications

17 250/288
5 204/452
5 210/198.2
3 204/453
3 216/2
3 250/281
2 204/451
2 204/603
2 210/656
2 216/79

Cross-Reference Classifications

20 250/288
14 250/281
14 250/282
10 210/748
9 210/243
8 204/603
7 204/600
7 204/601
7 210/198.2
7 210/656
5 250/423R
5 438/743
4 204/452
4 204/604
4 438/723
3 216/67
3 216/79
3 250/292
3 436/161
3 438/734
3 438/736
3 438/942
2 204/450
2 204/451
2 216/39
2 216/47
2 216/80
2 422/70
2 436/173
2 436/174
2 436/177

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2 436/86
2 436/87
2 436/89
2 436/91
2 436/93
2 436/94
2 438/756

Combined Classifications

37 250/288
17 250/281
14 250/282
12 210/198.2
10 204/603
10 210/748
9 204/452
9 210/243
9 210/656
8 204/601
7 204/600
5 216/79
5 250/423R
5 438/743
4 204/451
4 204/453
4 204/604
4 438/723
3 216/2
3 216/67
3 250/292
3 436/161
3 436/173
3 438/734
3 438/736
3 438/942
2 204/450
2 216/39
2 216/47
2 216/80
2 250/289
2 422/70
2 436/174
2 436/177
2 436/86
2 436/87
2 436/89
2 436/91
2 436/93

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2 436/94
2 438/756

10771553_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10814207 on May 27, 2004

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37  250/288      (17 OR, 20 XR)
      Class 250 : RADIANT ENERGY
      250/281      IONIC SEPARATION OR ANALYSIS
      250/288      .With sample supply means

17  250/281      (3 OR, 14 XR)
      Class 250 : RADIANT ENERGY
      250/281      IONIC SEPARATION OR ANALYSIS

14  250/282      (0 OR, 14 XR)
      Class 250 : RADIANT ENERGY
      250/281      IONIC SEPARATION OR ANALYSIS
      250/282      .Methods

12  210/198.2    (5 OR, 7 XR)
      Class 210 : LIQUID PURIFICATION OR SEPARATION
      210/198.1    WITH MEANS TO ADD TREATING MATERIAL
      210/198.2    .Chromatography

10  204/603      (2 OR, 8 XR)
      Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
      204/193      APPARATUS
      204/600      .Electrophoretic or electro-osmotic apparatus

      204/601      ..Capillary electrophoresis type
      204/603      ...With detailed detection system (e.g.,
                    including a light source and a camera, etc.
)

10  210/748      (0 OR, 10 XR)
      Class 210 : LIQUID PURIFICATION OR SEPARATION
      210/600      PROCESSES
      210/748      .Utilizing electrical or wave energy (directly
                    applied to liquid or material being treated
)

9   204/452      (5 OR, 4 XR)
      Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
      204/450      .Electrophoresis or electro-osmosis processes
                    and electrolyte compositions therefor where
n not provided for
                    elsewhere
      204/451      ..Capillary electrophoresis

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204/452 ...With detailed detection

- 9 210/243 (0 OR, 9 XR)
 Class 210 : LIQUID PURIFICATION OR SEPARATION
 210/243 ELECTRICAL INSULATING OR ELECTRICITY
 DISCHARGING
- 9 210/656 (2 OR, 7 XR)
 Class 210 : LIQUID PURIFICATION OR SEPARATION
 210/600 PROCESSES
 210/656 .Chromatography
- 8 204/601 (1 OR, 7 XR)
 Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
 204/193 APPARATUS
 204/600 .Electrophoretic or electro-osmotic apparatus

 204/601 ..Capillary electrophoresis type
- 7 204/600 (0 OR, 7 XR)
 Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
 204/193 APPARATUS
 204/600 .Electrophoretic or electro-osmotic apparatus
- 5 216/79 (2 OR, 3 XR)
 Class 216 : ETCHING A SUBSTRATE: PROCESSES
 216/58 GAS PHASE ETCHING OF SUBSTRATE
 216/74 .Etching inorganic substrate
 216/79 ..Etching silicon containing substrate
- 5 250/423R (0 OR, 5 XR)
 Class 250 : RADIANT ENERGY
 250/423R ION GENERATION
- 5 438/743 (0 OR, 5 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

 438/689 CHEMICAL ETCHING
 438/706 .Vapor phase etching (i.e., dry etching)
 438/735 ..Differential etching of semiconductor
 substrate
 438/737 ...Substrate possessing multiple layers
 438/743Silicon oxide or glass
- 4 204/451 (2 OR, 2 XR)
 Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
 204/450 .Electrophoresis or electro-osmosis processes

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and electrolyte compositions therefor when
not provided for
elsewhere
204/451 ..Capillary electrophoresis

4 204/453 (3 OR, 1 XR)
Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
204/450 .Electrophoresis or electro-osmosis processes
and electrolyte compositions therefor whe
n not provided for
elsewhere
204/451 ..Capillary electrophoresis
204/453 ...With injection

4 204/604 (0 OR, 4 XR)
Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
204/193 APPARATUS
204/600 .Electrophoretic or electro-osmotic apparatus

204/601 ..Capillary electrophoresis type
204/604 ...With injector

4 438/723 (0 OR, 4 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/689 CHEMICAL ETCHING
438/706 .Vapor phase etching (i.e., dry etching)
438/707 ..Utilizing electromagnetic or wave energy
438/710 ...By creating electric field (e.g., plasma,
glow discharge, etc.)
438/723Silicon oxide or glass

3 216/2 (3 OR, 0 XR)
Class 216 : ETCHING A SUBSTRATE: PROCESSES
216/2 ETCHING OF SEMICONDUCTOR MATERIAL TO PRODUCE A
N
ARTICLE HAVING A NONELECTRICAL FUNCTION

3 216/67 (0 OR, 3 XR)
Class 216 : ETCHING A SUBSTRATE: PROCESSES
216/58 GAS PHASE ETCHING OF SUBSTRATE
216/63 .Application of energy to the gaseous etchant
or to the substrate being etched
216/67 ..Using plasma

3 250/292 (0 OR, 3 XR)
Class 250 : RADIANT ENERGY
250/281 IONIC SEPARATION OR ANALYSIS

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250/290 .Cyclically varying ion selecting field means

250/292 ..Laterally resonant ion path

3 436/161 (0 OR, 3 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/161 INCLUDING CHROMATOGRAPHY

3 436/173 (1 OR, 2 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/173 NUCLEAR MAGNETIC RESONANCE, ELECTRON SPIN
 RESONANCE OR OTHER SPIN EFFECTS OR MASS SPE
 CTROMETRY

3 438/734 (0 OR, 3 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 438/689 CHEMICAL ETCHING
 438/706 .Vapor phase etching (i.e., dry etching)
 438/734 ..Sequential etching steps on a single layer

3 438/736 (0 OR, 3 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 438/689 CHEMICAL ETCHING
 438/706 .Vapor phase etching (i.e., dry etching)
 438/735 ..Differential etching of semiconductor
 substrate
 438/736 ...Utilizing multilayered mask

3 438/942 (0 OR, 3 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 438/942 MASKING

2 204/450 (0 OR, 2 XR)
 Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY
 204/450 .Electrophoresis or electro-osmosis processes
 and electrolyte compositions therefor when
 not provided for
 elsewhere

2 216/39 (0 OR, 2 XR)
 Class 216 : ETCHING A SUBSTRATE: PROCESSES
 216/39 FORMING GROOVE OR HOLE IN A SUBSTRATE WHICH IS
 SUBSEQUENTLY FILLED OR COATED

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2 216/47 (0 OR, 2 XR)
 Class 216 : ETCHING A SUBSTRATE: PROCESSES
 216/41 MASKING OF A SUBSTRATE USING MATERIAL RESISTAN
 T
 TO AN ETCHANT (I.E., ETCH RESIST)
 216/47 .Mask is multilayer resist

2 216/80 (0 OR, 2 XR)
 Class 216 : ETCHING A SUBSTRATE: PROCESSES
 216/58 GAS PHASE ETCHING OF SUBSTRATE
 216/74 .Etching inorganic substrate
 216/79 ..Etching silicon containing substrate
 216/80 ...Silicon containing substrate is glass

2 250/289 (1 OR, 1 XR)
 Class 250 : RADIANT ENERGY
 250/281 IONIC SEPARATION OR ANALYSIS
 250/289 .With evacuation or sealing means

2 422/70 (0 OR, 2 XR)
 Class 422 : CHEMICAL APPARATUS AND PROCESS DISINFECTING,
 DEODORIZING, PRESERVING, OR STERILIZING
 422/50 ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIV
 E
 LABORATORY DEVICE
 422/68.1 .Means for analyzing liquid or solid sample
 422/69 ..Sorption testing
 422/70 ...Liquid chromatography

2 436/174 (0 OR, 2 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/174 INCLUDING SAMPLE PREPARATION

2 436/177 (0 OR, 2 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/174 INCLUDING SAMPLE PREPARATION
 436/177 .Liberation or purification of sample or
 separation of material from a sample (e.g.,
 filtering,
 centrifuging, etc.)

2 436/86 (0 OR, 2 XR)
 Class 436 : CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
 TESTING
 436/86 PEPTIDE, PROTEIN OR AMINO ACID

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2  436/87      (0 OR, 2 XR)
    Class      436 :  CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
                     TESTING
                     436/86      PEPTIDE, PROTEIN OR AMINO ACID
                     436/87      .Glycoproteins (e.g., hormone, etc.)

2  436/89      (0 OR, 2 XR)
    Class      436 :  CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
                     TESTING
                     436/86      PEPTIDE, PROTEIN OR AMINO ACID
                     436/89      .Amino acid or sequencing procedure

2  436/91      (0 OR, 2 XR)
    Class      436 :  CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
                     TESTING
                     436/91      HETEROCYCLIC CARBON COMPOUND (I.E., O, S, N,
                               Se, Te, AS ONLY RING HETERO ATOM)

2  436/93      (0 OR, 2 XR)
    Class      436 :  CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
                     TESTING
                     436/91      HETEROCYCLIC CARBON COMPOUND (I.E., O, S, N,
                               Se, Te, AS ONLY RING HETERO ATOM)
                     436/93      .Hetero-O (e.g., ascorbic acid, etc.)

2  436/94      (0 OR, 2 XR)
    Class      436 :  CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL
                     TESTING
                     436/91      HETEROCYCLIC CARBON COMPOUND (I.E., O, S, N,
                               Se, Te, AS ONLY RING HETERO ATOM)
                     436/93      .Hetero-O (e.g., ascorbic acid, etc.)
                     436/94      ..Saccharide (e.g., DNA, etc.)

2  438/756     (0 OR, 2 XR)
    Class      438 :  SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

                     438/689     CHEMICAL ETCHING
                     438/745     .Liquid phase etching
                     438/756     ..Silicon oxide

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